

AMENDMENTS TO THE ABSTRACT

Please substitute the following paragraph for the abstract now appearing in the currently filed specification.

~~The invention refers to a~~ A ranging system ~~for determining~~ determines ranging information of a spacecraft carrying a component of a communication channel. In order to provide a ranging system for determining ranging information of a satellite carrying a transponder as well as to provide a method thereof which yield a sufficient accuracy without causing further costs when narrow spot beams by the transponder are used, a ranging system ~~according to the invention comprises~~ includes a plurality of receiving stations at different locations on earth, wherein each receiving station is arranged for receiving a reference signal from ~~said~~ the component; ~~a synchronisation means~~ unit for providing a synchronised time base between the plurality of receiving stations; ~~a calculation means~~ unit for calculating ~~said~~ the ranging information in accordance with the propagation time of each received reference signal and with the synchronised time base; wherein at least one receiving station ~~comprises~~ includes a correlation receiver for receiving the reference signal.